

Serial No.: 10/527,838
Docket No.: 28951.2192

REMARKS

Claims 1, 2 and 4-8 as amended, remain herein.

1. Claim 1 was rejected under 35 U.S.C. §102(b) over Saito U.S. Patent 6,255,994.

Saito discloses an inverted antenna having a plate inductor 2 mounted to a ground plate 3. Saito's inductor 2 is not on a circuit board. Further, Saito discloses a plate inductor 2, not a patterned inductive element. Thus, Saito does not disclose an inductance element connected electrically between the ground plate and the short line, where the inductance element is a circuit pattern located on a circuit board, as claimed by applicants.

For all of the foregoing reasons, there is no disclosure or teaching in Saito of all elements of applicants' claimed invention, and therefore Saito is not a proper basis for a §102 rejection. Nor is there any disclosure or teaching in Saito that would have suggested applicants' claimed invention to one of ordinary skill in this art. Thus reconsideration and withdrawal of this rejection, and allowance of claim 1 are respectfully requested.

2. Claims 1 and 4 were rejected under 35 U.S.C. §102(e) over Koskiniemi et al. U.S. Patent 6,882,317.

Koskiniemi discloses a dual antenna and radio device. Koskiniemi's inductive element 414 freely extends between board 401 and ground. Thus, Koskiniemi does not disclose an inductance element that is a circuit pattern located on a circuit board, as claimed by applicants.

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For all of the foregoing reasons, there is no disclosure or teaching in Koskiniemi of all elements of applicants' claimed invention, and therefore Koskiniemi is not a proper basis for a §102 rejection. Nor is there any disclosure or teaching in Koskiniemi that would have suggested applicants' claimed invention to one of ordinary skill in this art. Thus reconsideration and withdrawal of this rejection, and allowance of claims 1 and 4 are respectfully requested.

3. Claims 1 and 3 were rejected under 35 U.S.C. §102(e) over Edvardsson U.S. Patent 6,903,688.

Edvardsson discloses that load portion 716, an inductive element, is located on a vented portion of printed circuit board 719, with reed 710 as a radiator. Load portion 716 is connected between reed 710 and an underlying conductive support structure; see Edvardsson Figure 15 and, col. 7, line 55 – col. 8, line 27. Thus, Edvardsson does not disclose an inductance element connected electrically between a ground plate and a short line, as claimed by applicants.

For all of the foregoing reasons, there is no disclosure or teaching in Edvardsson of all elements of applicants' claimed invention, and therefore Edvardsson is not a proper basis for a §102 rejection. Nor is there any disclosure or teaching in Edvardsson that would have suggested applicants' claimed invention to one of ordinary skill in this art. Thus reconsideration and withdrawal of this rejection, and allowance of claims 1 and 3 are respectfully requested.

4. Claim 2 was rejected under 35 U.S.C. §103(a) over Saito.

Claim 2, which depends upon claim 1, is allowable for at least the reasons discussed

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above with respect to claim 1.

Saito discloses an inverted antenna having a plated inductor 2 mounted to a ground plate 3. Saito's inductor 2 is not on a circuit board. Further, Saito discloses a plate inductor 2, not a patterned inductive element. Thus, Saito does not disclose an inductance element connected electrically between a ground plate and a short line, where the inductance element is a circuit pattern located on a circuit board, as claimed by applicants.

For all of the foregoing reasons, there is no disclosure or teaching in Saito that would have suggested applicants' claimed invention to one of ordinary skill in this art. Further, there is no disclosure or teaching in Saito that would have suggested the desirability of modifying any portions thereof effectively to anticipate or suggest applicants' claimed invention. Withdrawal of this rejection and allowance of claim 2 are therefore respectfully requested.

5. Claims 5 and 6 were rejected under 35 U.S.C. §103(a) over Applicants' Figs. 7A, 7B and 8 in view of Saito.

Claims 5 and 6, which depend on claim 1, are allowable for at least the same reasons discussed above with respect to claim 1.

Applicants' Figs. 7A, 7B, 8 do not supply what is missing in Saito. Applicants' Figs. 7A, 7B, and 8 show an antenna radiator 103 connected to a circuit board 101, but not an inductance element connected electrically between a ground plate and a short line, where an inductance element is a circuit pattern located on a circuit board, as claimed by applicants.


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For all of the foregoing reasons, there is no disclosure or teaching in either of applicants' Figs. 7A, 7B and 8 or Saito that would have suggested applicants' claimed invention to one of ordinary skill in this art. Further, there is no disclosure or teaching in either applicants' Figs. 7A, 7B and 8 or Saito that would have suggested the desirability of combining any portions thereof effectively to anticipate or suggest applicants' claimed invention. Withdrawal of this rejection of claims 5 and 6 and allowance of the same are therefore respectfully requested.

Accordingly, the application is now fully in condition for allowance, and a notice to that effect is respectfully requested. The PTO is hereby authorized to charge/credit any fee deficiencies or overpayments to Deposit Account No. 19-4293 (Order No. 28951.2192). If further amendments would place this application in even better condition for issue, the Examiner is invited to call applicants' undersigned attorney at the number listed below.

Respectfully submitted,

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